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TITLE : HIGH HEAT RESISTANT OIL IMPREGNATED INSULATING BOARD

ABSTRACT : PURPOSE: To provide an insulating board with low dielectric constant and high heat resistance by constituting with the specified polytetrafluoroethylene fibrous material.

CONSTITUTION: An insulating board is constituted with 35-60wt.% aromatic polyamide fibrous material, preferably poly(m-phenyleneisophthal amide) (MPD-I) and 40-65wt.% PTFE fibrous material containing hydrogen and practically no carbonaceous material, preferably breached PTFE flock. The board has an average dissipation factor in oil of less than 0.01 and an average breaking strength of at least 500kN per 1m width. An oil impregnated insulating board having a dielectric constant in mineral oil of lower than 2.7 and high heat resistance can be obtained.

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